

FIG. 1

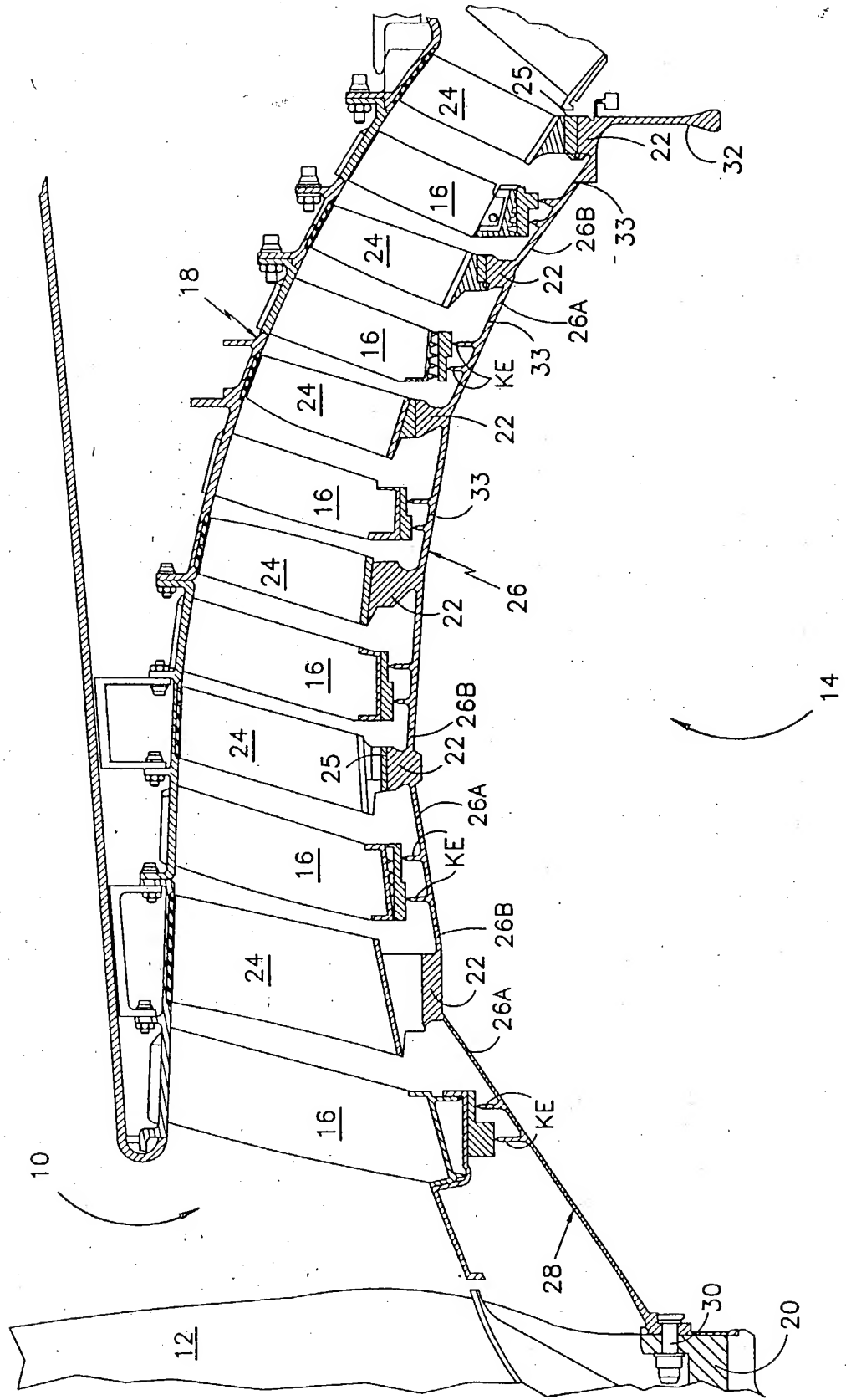


FIG.2A

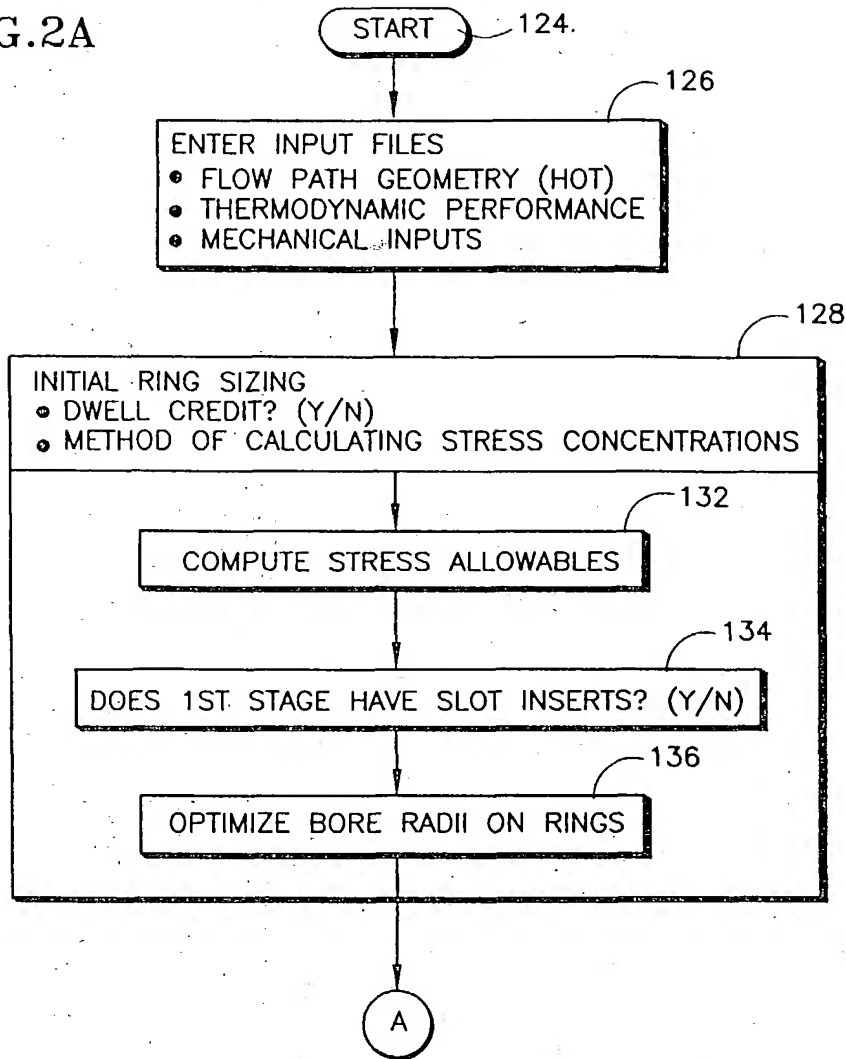


FIG.2B

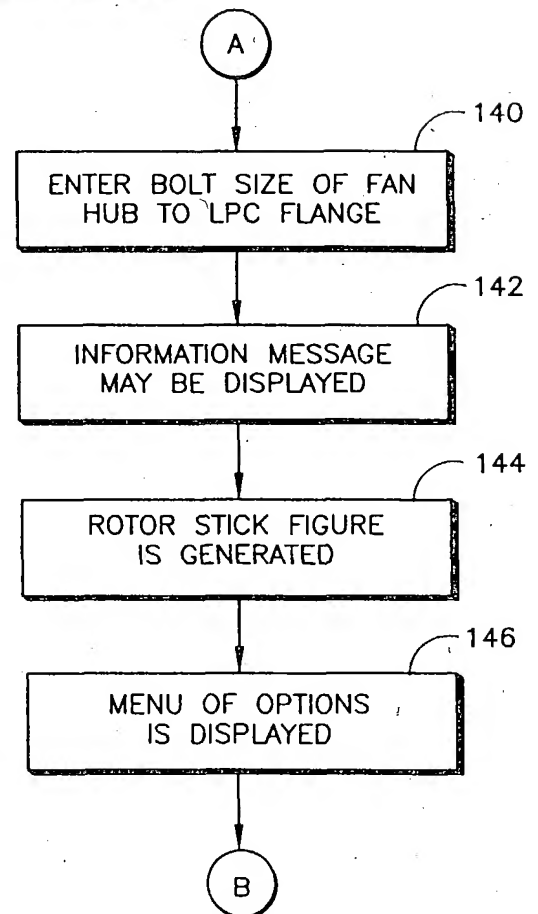


FIG.2C

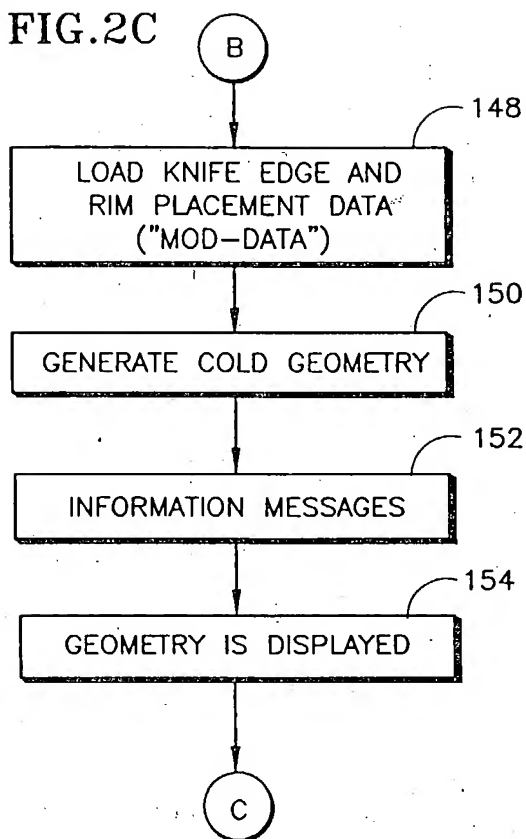


FIG.2D

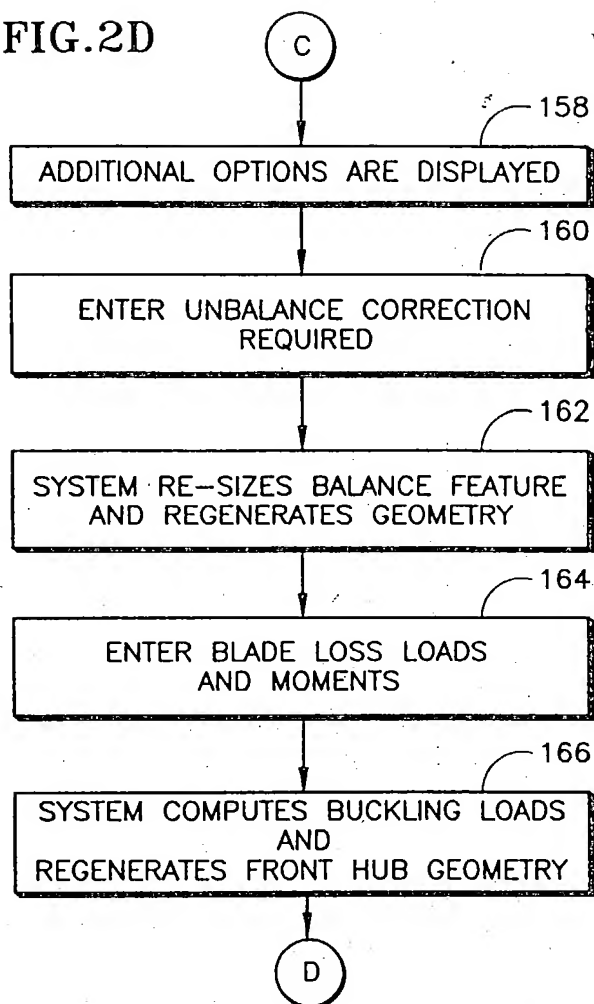


FIG.2E

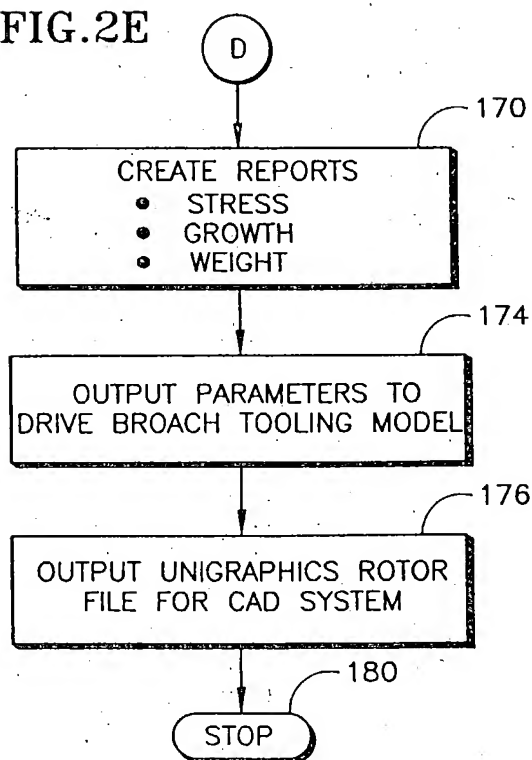


FIG.3

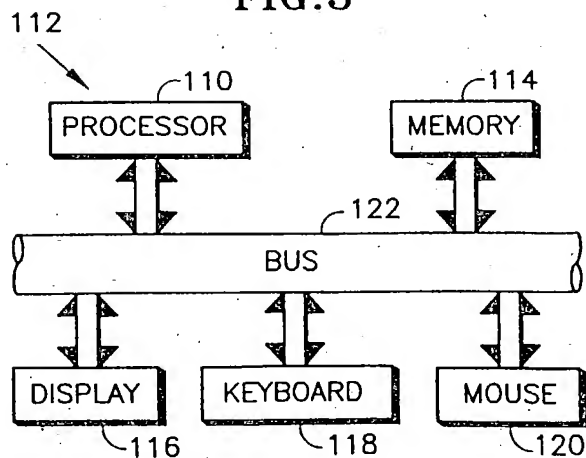


FIG.4

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Initial Ring Sizing

Update!

Accept!

Validate!

Dwell Credit

Dwell Credit?:

Yes

No

Dwell Credit:

5

Cycles:

20000

Gross Cycles:

4000

Kt Calc Method

Stage:

1.1

1.2

1.3

1.6

2

3

4

Method:

Hoogewerff

User Entered

Hoogewerff

User Entered

Hoogewerff

User Entered

Hoogewerff

User Entered

Hoogewerff

User Entered

Hoogewerff

User Entered

Hoogewerff

Kt value:

2.16291

2.00488

2.01004

1.96708

2.06464

2.09085

2.10832

Kt Calc Method Results

Run U5531

Stage:

1.1

1.2

1.3

1.6

2

3

4

Concentrated Stress:

121948.

121289.

120629.

119970.

119531.

119201.

122058.

Hoop Stress:

51233.

54277.

53566.

53883.

51489.

51194.

52849.

Optimize Bore IDs on Rings!

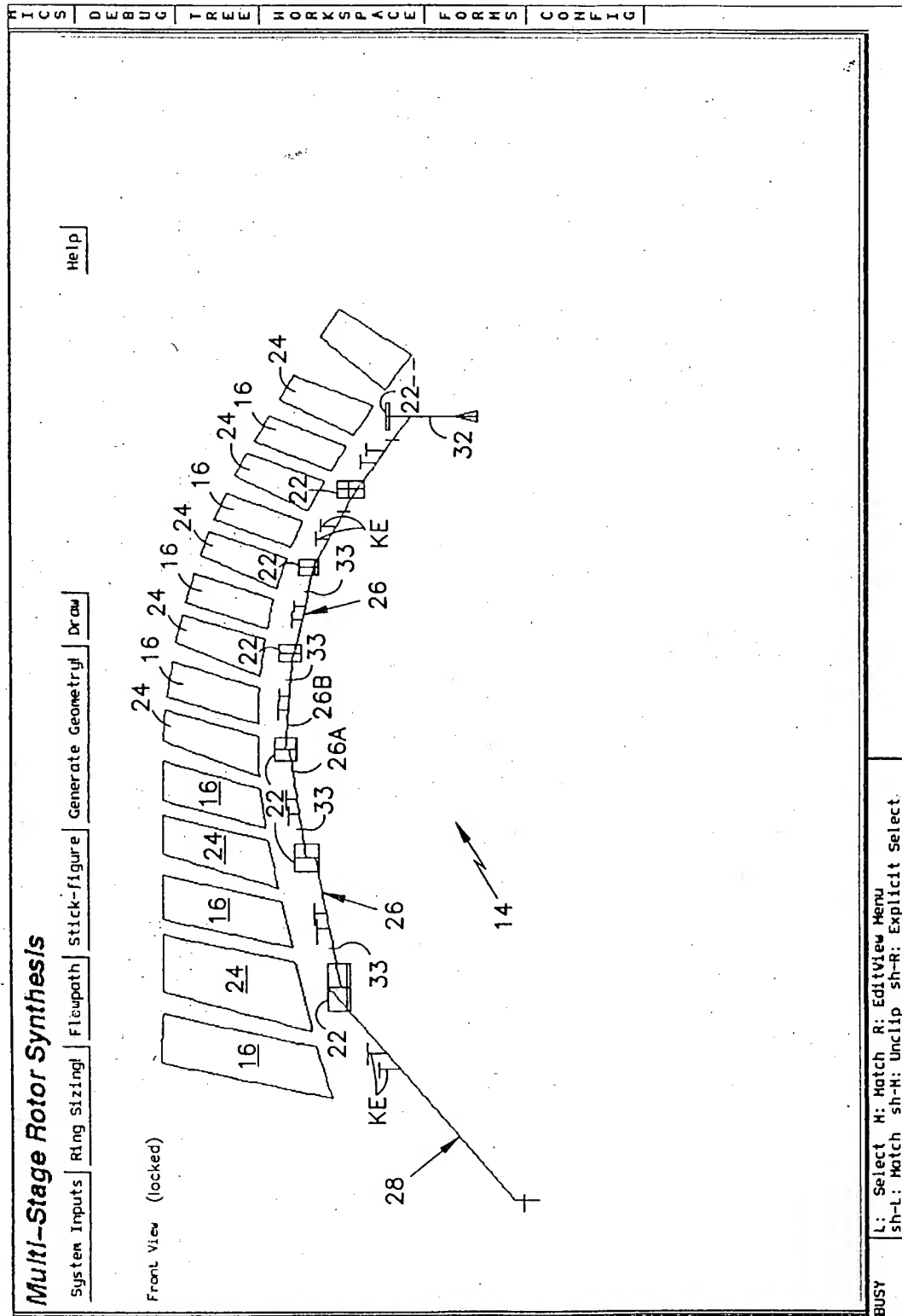


FIG.6A

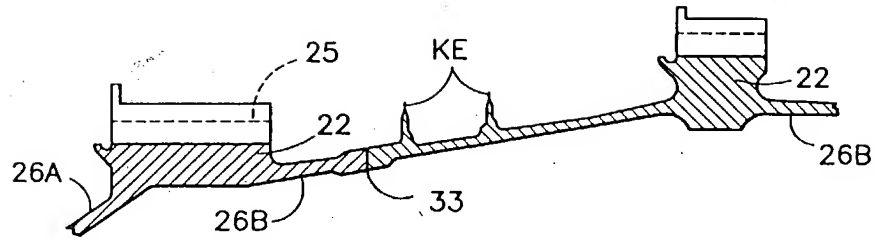


FIG.6B

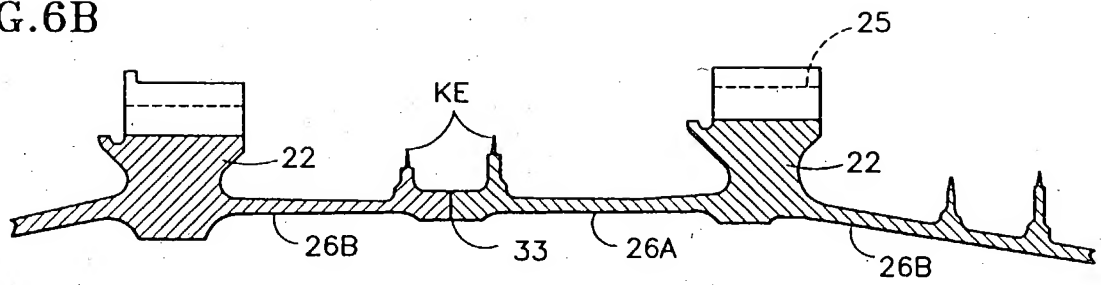


FIG.6C

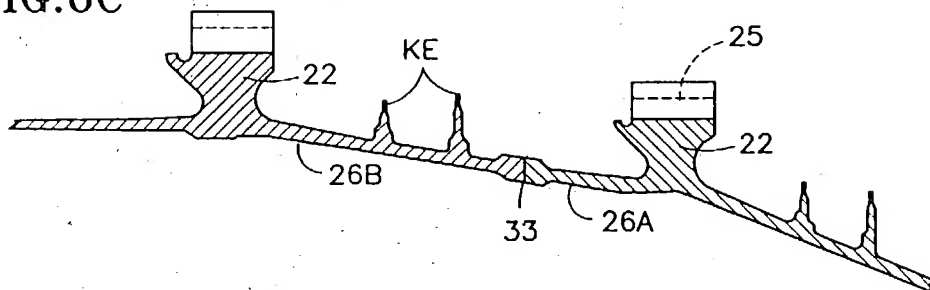


FIG. 7

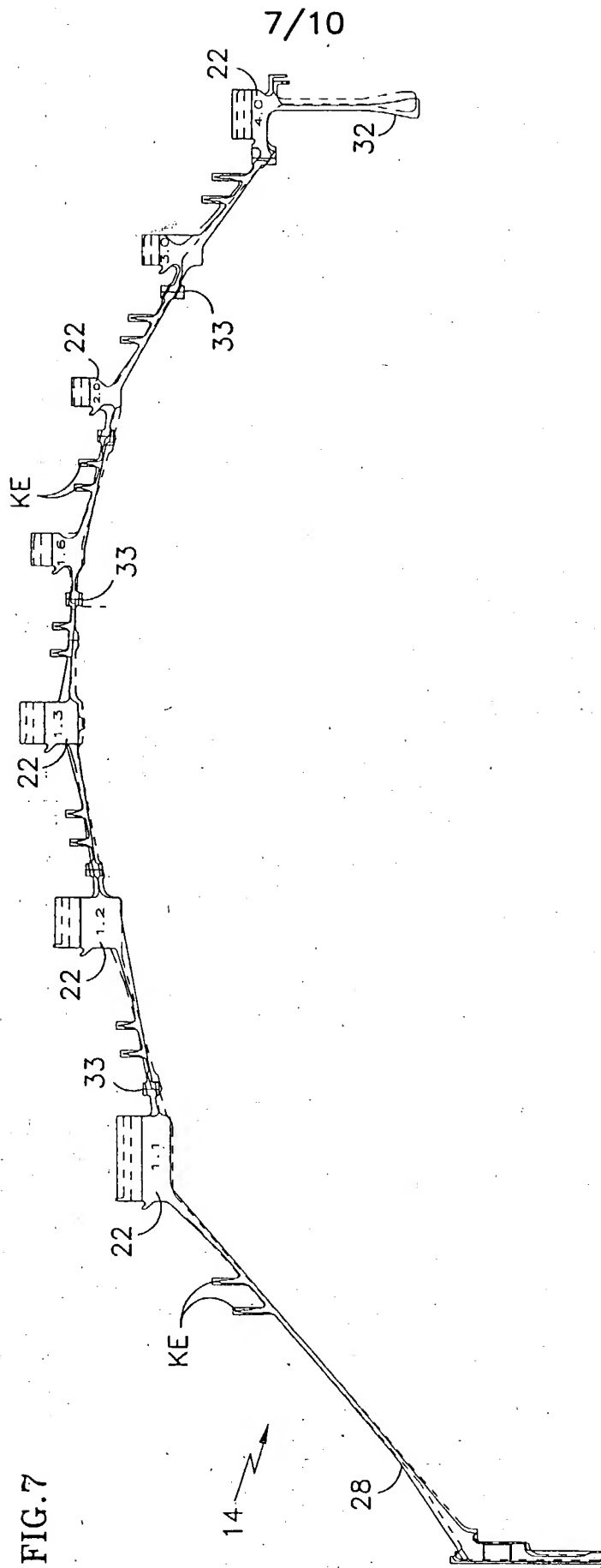


FIG.8

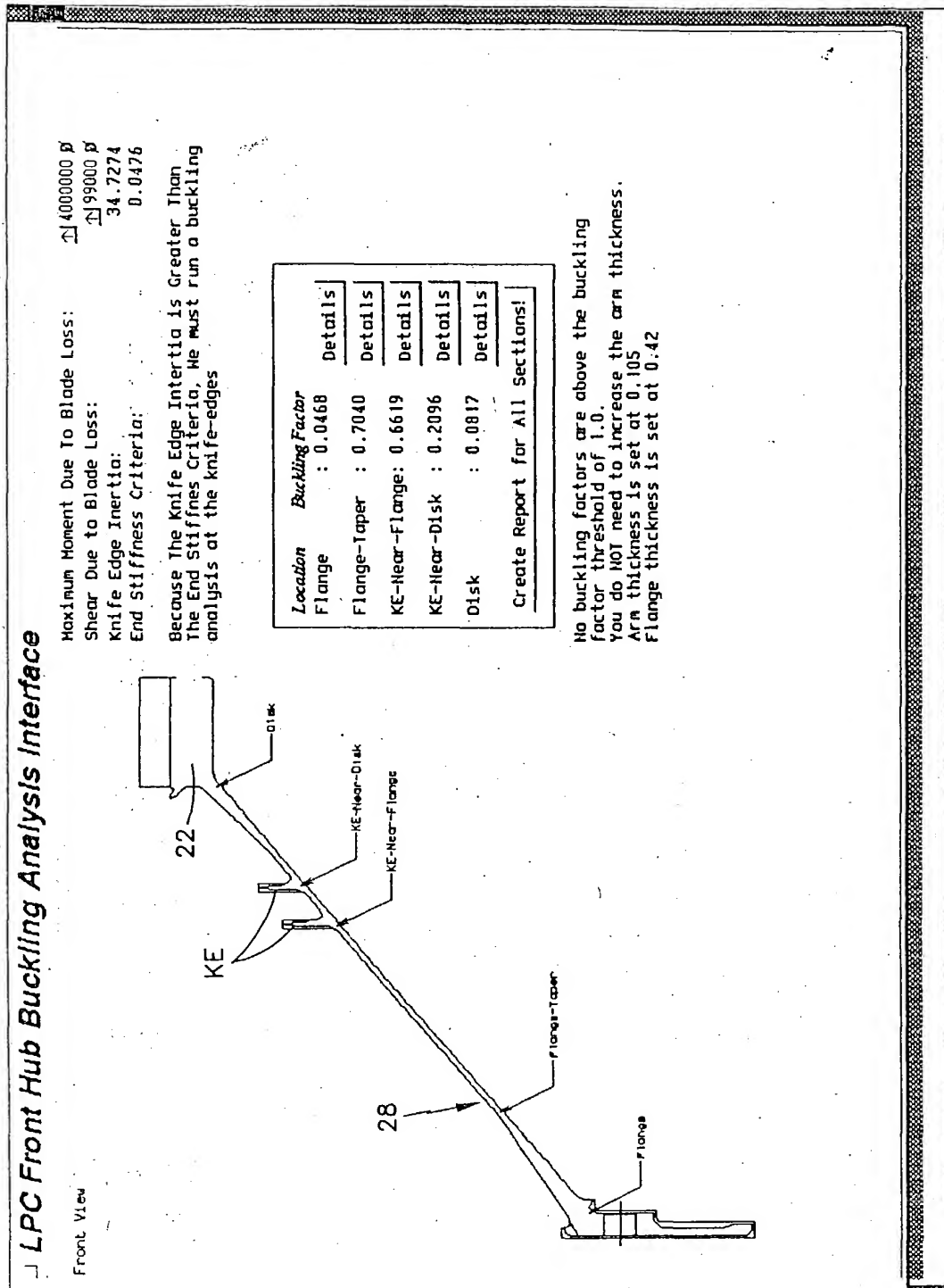


FIG. 9

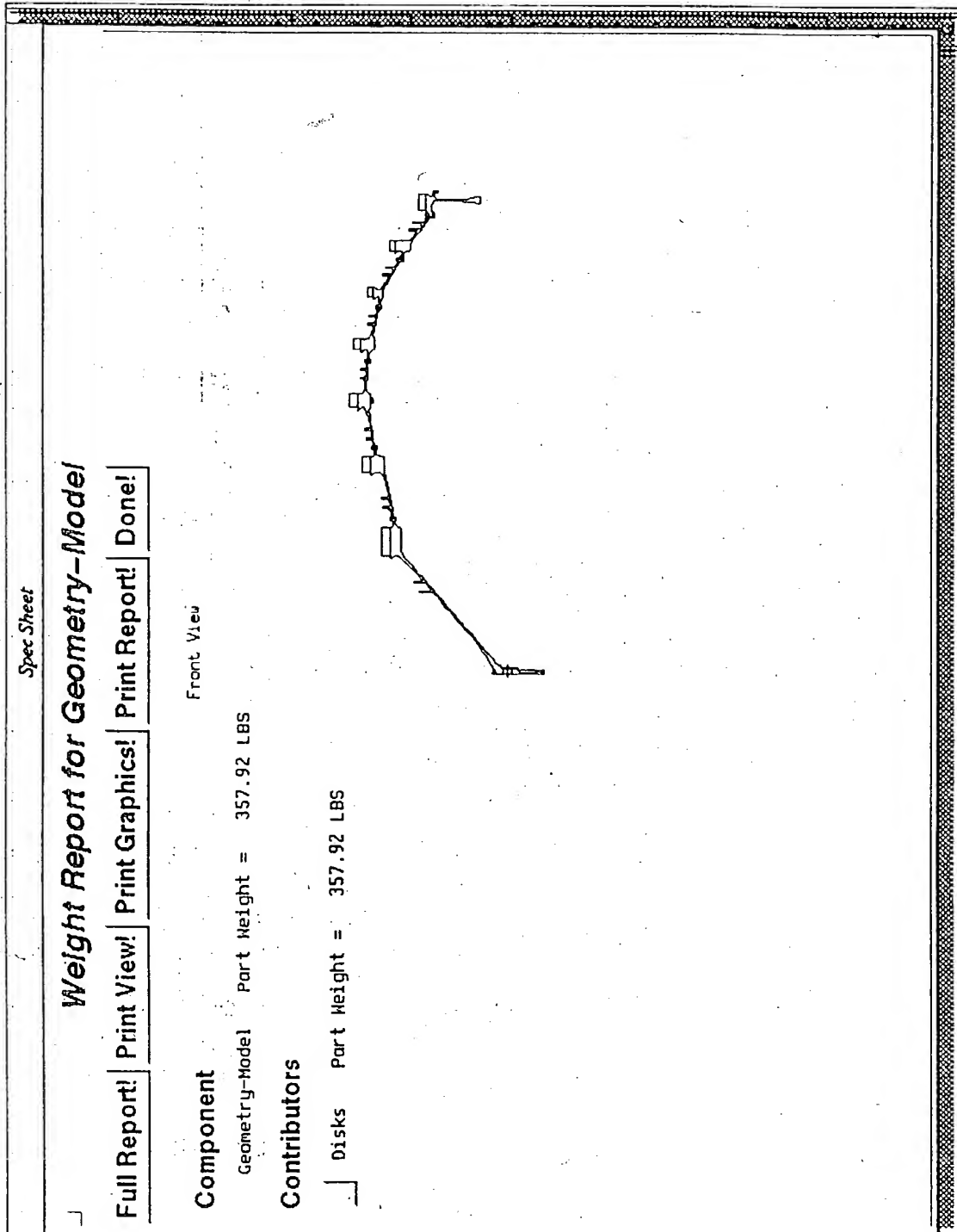


FIG.10

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Output ICAD-to-UG Files

Update! Accept! Validate!

Profile Parts:

R0 R1 R2 R3 R4 R5 R6 D

Other Parts:

Stick Figure Flowpath Engine Centerline D

Single File?: Yes No D

Ug Output Type: complete cross-section D

Directory: /home/e099935/icad/msrs/lpc/pw4098/ D

Filename Pattern: pw4098-mfpa D

Write UG Prt file!

Single Xess File?: Yes No R

Xess Directory: /home/e099935/icad/msrs/lpc/pw4098/ D

Xess Filename Pattern: pw4098-mfpa D

Write the X-ess parameters!